

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<b>AIRPORT ID</b> EKM	<b>PROCEDURE NAME</b> RNAV (GPS) RWY 9	<b>ORIGINAL/AMENDMENT</b> 1	<b>CITY</b> ELKHART	<b>STATE</b> IN
<b>AIRPORT ELEVATION</b> 778	<b>TDZE</b> 777	<b>SUPERSEDED</b> RNAV (GPS) RWY 9	<b>DATED</b> 01/03/2019	<b>MAG VAR</b> 4W
<b>FACILITY</b> RNAV	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b> 12 JUNE 2025	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>EPOCH YEAR</b> 2005
			<b>CANCEL/SUSPEND</b>	

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
JJANN		FABKU		TF	FB	1.00	239.98	15.19	4000
DUYAV	IAF	ELUYE		TF	FB	1.00	003.73	6.74	2500
FABKU	IAF	ELUYE		TF	FB	1.00	183.73	6.74	2500
ELUYE	IF	GUKGE		TF	FB	1.00	093.73	6.00	2400
GUKGE	FAF	RW09	MAP	TF	FO	0.30	093.82	5.00	
RW09	MAP	1500 MSL		CA			093.82		1500
1500 MSL		JJANN		DF	FO	1.00			4000

**MISSED APPROACH**

**MAP:**

LNAV: RW09

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 4000 DIRECT JJANN AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT ELUYE
- FAC: 093.82 FAF: GUKGE DIST FAF TO MAP: 5.00 DIST FAF TO THLD: 5.00
- MIN ALT: ELUYE 2500, GUKGE 2400
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT:
- MIN GP INCPT: GP ALT AT FAF: OM: MM: IM:
- GP ANGLE: 34:1 IS NOT CLEAR 20:1 IS CLEAR TCH:
- MSA FROM: RW09 3000



**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART NOTE: CIRCLING NA TO RWYS 8 AND 26.  
 CHART NOTE: CIRCLING RWY 36 NA AT NIGHT.  
 CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
 CHART NOTE: VDP NA WHEN USING SBN ALTIMETER SETTING.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SBN ALTIMETER SETTING: INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT D 1/4 SM.

**ADDITIONAL FLIGHT DATA:**

HOLD NW, RT, 152.72 INBOUND.  
 CHART FAS OBST: 1015 TOWER (18-000050) 414349N/0860349W.  
 CHART VDP AT 1.47 NM TO RW09.  
 GUKGE TO RW09: 3.00/38.  
 CHART CIRCLING ICON.

**MINIMUMS:**

**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT**

**ALTERNATE:** NA  STANDARD - CAT D 900-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<b><u>CATEGORY:</u></b>	<b><u>A</u></b>			<b><u>B</u></b>			<b><u>C</u></b>			<b><u>D</u></b>			<b><u>E</u></b>		
<b><u>FINAL TYPE</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>												
LNAV MDA	1280	1	503	1280	1	503	1280	1 3/8	503	1280	1 3/8	503			
CIRCLING	1280	1	502	1300	1	522	1380	1 3/4	602	1580	2 1/2	802			



**CHANGES - REASONS**

1. TERMINAL ROUTES: REMOVED GSH VORTAC SEGMENT – PER VOR MON NTL PROGRAM/GSH VORTAC DECOMM.
2. TERMINAL ROUTES: CHANGED JJANN TO FABKU SEGMENT COURSE FROM “234.89” TO “239.98”, DISTANCE FROM “16.23” TO “15.19” – MET RNAV SEGMENT LENGTH REQUIREMENTS.
3. TERMINAL ROUTES: CHANGED DUYAV TO ELUYE SEGMENT DISTANCE FROM “5.00” TO “6.74” – DUYAV MOVED S 1.74 NM.
4. TERMINAL ROUTES: CHANGED FABKU TO ELUYE SEGMENT DISTANCE FROM “5.00” TO “6.74” – FABKU MOVED N 1.74 NM.
5. TERMINAL ROUTES: CHANGED ELUYE TO GUKGE SEGMENT DISTANCE FROM “6.11 TO “6.00” – GUKGE MOVED W 645.36 FEET.
6. TERMINAL ROUTES: ADDED GUKGE TO RW09 SEGMENT – IAW 8260.19J, 8-6-4(A).
7. TERMINAL ROUTES: REPLACED SEGMENT “1178 TO CORYA” WITH “1500 TO JJANN” – MA REDESIGNED PER FPT/ATC.
8. TERMINAL ROUTES: REMOVED SEGMENT “CORYA TO JJANN” – TURN TO TERMINATION FIX GREATER THAN 90 DEGREES IAW 8260.3F.
9. TERMINAL ROUTES: CHANGED CA SEGMENT ALTITUDE FROM “1178” TO “1500” – ADDED CLIMB TO ALTITUDE REQUIREMENT TO MA INSTRUCTIONS TO ATTAIN MA CRITERIA IAW 8260.3F.
10. MISSED APPROACH: CHANGED FROM “CLIMB TO 4000 DIRECT CORYA AND VIA 350.70 TRACK TO JJANN AND HOLD” TO “CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 4000 DIRECT JJANN AND HOLD” - RE-DESIGNED MISSED APPROACH PER FPT/ATC REQUEST/IAW 8260.58C.
11. PROFILE LINE 1: REMOVED “NA” – IAW 8260.19J, 8-6-7A(3).
12. PROFILE LINE 3: CHANGED DIST FAF TO MAP/THLD FROM “4.89” TO “5.00” – TCH CHANGED TO ALIGN WITH VGSI.
13. PROFILE LINE 7: ADDED “20:1 IS CLEAR” – IAW 8260.19J, 8-6-7G(3).
14. NOTES: CHANGED PBN REQUIREMENTS NOTE FROM “RNP APCH” TO “RNP APCH – GPS” – IAW 8260.19J, 8-6-8D(5)A.
15. NOTES: REMOVED “VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE 3.00/TCH 38.0)” – PROCEDURE RE-DESIGNED IAW 8260.58C TO OPTIMAL VDA.
16. NOTES: CHANGED “VDP NA WHEN USING SOUTH BEND ALTIMETER SETTING” TO VDP NA WHEN USING SBN ALTIMETER SETTING” – IAW 8260.19J, 8-6-10(E).
17. NOTES: CHANGED “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOUTH BEND ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET” TO “CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SBN ALTIMETER SETTING: INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT D 1/4 SM” – PROCEDURE RE-DESIGNED, LOWERED MDA, VISIBILITY TABLE 3-3-1.
18. ADDITIONAL FLIGHT DATA: CHANGED “FAS OBST: 1025 TOWER 414357N0860450W” TO “CHART FAS OBST: 1015 TOWER (18-000050) 414349N/0860349W” – NEW CONTROLLING OBSTACLE.
19. ADDITIONAL FLIGHT DATA: REMOVED “CHART: 1300 TOWER 414457N/0860711W” – NEW OBSTACLE EVALUATION, NEW 7:1 OBSTACLE.
20. ADDITIONAL FLIGHT DATA: CHANGED “CHART VDP AT 1.63 MILES TO RW09\*” TO “CHART VDP AT 1.47 NM TO RW09”, REMOVED “\*” – PROCEDURE RE-DESIGNED TO OPTIMAL VDA, MDA CHANGED FROM 1340 TO 1280.
21. ADDITIONAL FLIGHT DATA: CHANGED “GUKGE TO RW09: 3.04/49” TO “GUKGE TO RW09: 3.00/38” – PROCEDURE RE-DESIGNED FOR OPTIMAL VDA.
22. ADDITIONAL FLIGHT DATA: REMOVED “\*LNAV ONLY” – NO LONGER REQUIRED IAW 8260.19J.
23. ADDITIONAL FLIGHT DATA: REMOVED “ROUTE TYPE DESCRIPTION: A, P” – NO LONGER REQUIRED IAW 8260.19J.
24. ADDITIONAL FLIGHT DATA: REMOVED “APPROACH ROL1TE QUALIFIER 2: S” - NO LONGER REQUIRED IAW 8260.19J.
25. ALTERNATE MINIMUMS: CHANGED FROM “CHANGED FROM “STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE” TO “STANDARD - CAT D 900-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE.” - NEW CAT D VISIBILITY.
26. MINIMUMS: LOWERED LNAV MDA/HAT FROM “1340/563” TO “1280/503”, LOWERED CAT C/D VISIBILITIES FROM “1 1/2 SM/1 3/4 SM” TO “1 3/8 SM” – NEW OBSTACLE EVALUATION.
27. MINIMUMS: LOWERED CIRCLING CAT A/B MDA/HAA FROM “1340/562” TO CAT A “1280/502, CAT B “1300/522” – NEW OBSTACLE EVALUATION.

**COORDINATED WITH:**

A4A  
  ALPA  
  AOPA  
  APA  
  HAI  
  NBAA

**OTHER:** ZAU ARTCC, SBN APP CON, EKM ATCT, AMGR

**FLIGHT CHECKED BY**

	<i>Digitally signed by</i>	<b>OFFICE</b>	<b>DATE</b>
MARC WEBBER	<b>CASIMIR L TABAKA</b>	AJF	04/13/2025
	Apr 14, 2025		

**DEVELOPED BY**

	<i>Digitally signed by</i>	<b>OFFICE</b>	<b>DATE</b>
CASIMIR L. TABAKA (ROBERT A. SWINSON)	<b>CASIMIR L TABAKA</b>	AJV-A432	10/25/2024
	Apr 14, 2025		

**APPROVED BY**

	<i>Digitally signed by</i>	<b>OFFICE</b>	<b>DATE</b>	<b>TITLE</b>
CASIMIR L. TABAKA	<b>CASIMIR L TABAKA</b>	AJV-A432		MANAGER
	Apr 14, 2025			

